



Approved

Appendix

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## SUBSTITUTE SPECIFICATION

Title of the Invention:

5 EXHAUST GAS PROCESSING SYSTEM

Background of the Invention:

<Technical Field>

The present invention relates to an exhaust gas processing apparatus  
10 in which a decomposition and a chemical reaction of a harmful chemical  
substance of an exhaust gas which is exhausted from a boiler, including Nox  
(nitrogen oxides), a particle substance and hydrocarbon, and from an engine,  
are promoted; and relates to a chemical work and an environment machine and  
apparatus.

15 <Prior Art>

Up to now, a processing technique having a low cost and for processing  
effectively NOx in an exhaust gas and fine particles in a harmful substance has  
not been established. As a removal technique for NOx, a denitration  
technology using ammonia is established for a fixed machine such as a boiler  
20 and an engine, but this technique has not been employed in a moving machine,  
such as an automobile, from an aspect of the safety.

For NOx removal from a diesel vehicle there has been performed a  
high pressure injection into the engine, and there has been a configuration of a